

[COLOR CORRECTION CIRCUIT OF DISPLAY AND CORRECTION METHOD THEREOF]

Abstract

A color correction circuit of a display and a correction method thereof are provided. The color correction circuit comprises a video look-up circuit, $N+M$ bit data driving circuit and $N+M$ bit data gamma voltage generating circuit. The video look-up circuit modulates N bit video data into $N+M$ bit video data. The $N+M$ bit data gamma voltage generating circuit provides the voltage in every step to produce a suitable gamma correction curve for red, green and blue color in the display so that the brightness and darkness level of every color is optimized.